

FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD SFN 50864(12/2014)

_				_	
ſ	ENGINES OFF	HOURS		PAGE#	OF
ı	21:30:47	3.18		1	3
ſ	ENGINES ON	DRY ICE RATE	1 GEN	2 GEN	
	18:20:01	0	0.96	1.5	50
ſ	TOTAL TIME	DRY ICE (lbs)	EJCTBL (grams)	BIP (gram	s)
ı	03:10:46	0.00	0	7	5

DATE		DISTRICT	SEED#	PILOT				COPILOT					PURPOSE	R - Rain H - Hail O - Other	
June 29,	2017	1	1	Kirk Hamilton Shelby Scorse						Н	M - Maintenance C - Reconnaissance				
Time	EVENT	LATITUDE	LONGITUDE	CLD BASE	ALTITUDE	UPDRAFT	TEMP	PRECIP CODE**	DRY ICE (sec)	FL <i>A</i>	RES	WINTIP GEN (#)		REMARKS	
(HH:MM)	#	(deg)	(deg)	(kft)	(KFT)	(FT/MIN)	(°C)	CODE	(560)			GEN (#)			
18:21:55		46.17073	-103.3042		2.9					0	0	0	Engines on in	Bowman.	
18:32:01		46.13297	-103.4298		7.3					0	0	0			
18:41:40	1	46.10523	-103.9771	8.5	8.1	200	9	1		0	0	1	Right burner of	on.	
18:47:20		46.09712	-103.9442	8.5	8.2	400	9	1		0	0	1			
18:57:22		46.06188	-103.9284		8.3					0	0	1			
18:59:45		46.06519	-103.9066	8.5	8.3	400	9	2		0	0	1			
19:08:25		46.17106	-103.9045	8.7	8.8	600	9	2		0	0	1			
19:09:11	2	46.14311	-103.8755	8.5	8.8	500	9	2		0	0	2	Left burner or	1.	
19:18:14		46.16284	-103.8705	8.8	8.6	500	8	2		0	0	2			
19:24:02		46.08157	-103.8015	8.8	8.5	500	7	3		0	0	2			
19:34:03		46.12040	-103.8404		8.3					0	0	2			
19:40:25		46.10882	-103.7622	8.5	8.1	500	9	3		0	0	2			
19:47:47		46.21854	-103.8332	8.8	8.5	800	9	3		0	0	2			

**PRECIPITATION INTENSITY

- 0 No Precipitation
- 1 virga only, precip not to ground
- 2 rain shaft to surface, light
- 3 rain shaft well established, but can be seen through
- 4 heavy rain shaft, cannot be seen through

MISSION SUMMARY

Launched to the West toward developing cells. Found inflow and lit a burner. As requested by meteorologists, started a second burner once some of the cells became a hail threat. Followed the line of cells as it moved toward Bowman. Continued seeding with both burners until one burner went out, then seeded with one burner. Moved to a cell just north of Bowman and seeded until second burner went out. RTB to Bowman once cells passed the airport to refill chemical and fuel.



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	18:20:01	0	0.96	1.5	50	
Γ	TOTAL TIME	DRY ICE (lbs)	EJCTBL (grams)	BIP (grams)		
	03:10:46	0.00	0	7	5	

DATE		DISTRICT	SEED#	PILOT				COPILOT						R - Rain H - Hail O - Other	
June 29,	June 29, 2017		1	Kirk Hamilton				Shelby Scorse						M - Maintenance C - Reconnaissance	
Time	EVENT	LATITUDE	LONGITUDE	CLD BASE	ALTITUDE	UPDRAFT	ТЕМР	PRECIP	DRY ICE	FL <i>A</i> EJC	RES	WINTIP		REMARKS	
(HH:MM)	#	(deg)	(deg)	(kft)	(KFT)	(FT/MIN)	(°C)	CODE**	(sec)	130	DIF	GEN (#)			
19:48:22	3	46.23927	-103.8444	8.8	8.6	800	8	3		0	1	2	BIP lit.		
19:58:23		46.14180	-103.6787		8.1					0	0	2			
20:06:00		46.14957	-103.6415	8.5	8.1	600	8	3		0	0	2			
20:14:58		46.10646	-103.6028	8	7.7	500	7	4		0	0	2			
20:24:59		46.16716	-103.6075		8.5					0	0	2			
20:26:18		46.17274	-103.5801	8.7	8.5	400	7	4		0	0	2			
20:36:23		46.22386	-103.5883		8.1					0	0	2			
20:39:27	4	46.12352	-103.4504	8.8	8.8	600	7	4		0	0	1	Right burner o	íf.	
20:49:28		46.13312	-103.4067		7.8					0	0	1			
20:57:50	5	46.13956	-103.5473		7.9		7			0	0	0	Left burner off.		
21:02:57	6	46.24659	-103.3769	8.5	8.1	300	6	3		0	0	1	Left burner on.		
21:12:57		46.21606	-103.2598		8.2					0	0	1			
21:14:26	7	46.18100	-103.3330	8.5	8.1	400	7	3		0	0	0	Left burner off.		

**PRECIPITATION INTENSITY

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MISSION SUMMARY

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DATE		DISTRICT	SEED#	PILOT				COPILOT					PURPOSE	R - Rain H - Hail O - Other
June 29,	2017	1	1	Kirk Hamilton				Shell	by Sco		Н	M - Maintenance C - Reconnaissance		
Time	EVENT	LATITUDE	LONGITUDE	CLD BASE	ALTITUDE	UPDRAFT	TEMP	PRECIP	DRY ICE	FLA EJC	RES BIP	WINTIP		REMARKS
(HH:MM)	#	(deg)	(deg)	(kft)	(KFT)	(FT/MIN)	(°C)	CODE**	(sec)		J.,	GEN (#)		
21:24:28		46.23492	-103.3346		5.1					0	0	0		
21:30:48		46.17120	-103.3039		2.9					0	0	0	Engines off in	Bowman.

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